

A = FSTIMATED PRESTRESS CAMBER LESS DEFLECTION DUE TO DEAD LOAD OF BEAM TIMES CREEP

A = C STIMMLED FILESTINGS CAMBER LESS DEFLECTION DUE TO DEAD LOAD B = DEFLECTION DUE TO DEAD LOAD OF (SLAB or OVERLAY) AND PARAPET. C = A - B = NET CAMBER.

## **CAMBER DIAGRAM**

| CAMBER (INCHES) |   |   |   |       |   |   |   |
|-----------------|---|---|---|-------|---|---|---|
| SPAN            | Α | В | С | SPAN  | Α | В | С |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |
| SX-GX           |   |   |   | SX-GX |   |   |   |

## NOTE: 'S' DENOTES SPAN 'G' DENOTES GIRDER **DESIGNER NOTES**

- 1. REFER TO SECTIONS 106.9.9 AND 205.7.3.6 FOR MORE INFORMATION ON CAMBER OF PRESTRESSED CONCRETE BEAMS.
- 2. REFER TO SECTION 612.03(E) IN THE STANDARD SPECIFICATIONS TO DETERMINE IF THERE IS ANY NEED TO ADD PROJECT-SPECIFIC REAM NOTES ON BEAM DETAIL SHEETS NOT INCLUDED IN SECTION 612 03(E)
- 3. CAMBER DIAGRAM AND CAMBER TABLE ARE REQUIRED TO BE SHOWN ON THE PRESTRESSED CONCRETE BEAM PLAN SHEETS. THE CAMBER TABLE SHOWN ON THIS SHEET IS A RECOMMENDED EXAMPLE TO USE. FOR SMALLER AND NON-COMPLEX PROJECTS, THE DESIGNER MAY CONSIDER USING ONLY CAMBER DIAGRAM.
- 4. REFER TO DETAIL NO. 330.02 FOR MORE INFORMATION ON THE SHEAR KEY CONNECTION AND FILL PORTS FOR ADJACENT BOX BEAMS AND SLAB BEAMS.
- 5. REFER TO DETAIL NO. 330.03 FOR MORE INFORMATION ON FLANGE CONNECTOR DETAILS BETWEEN NEXT BEAMS.
- 6. REFER TO DETAIL NO. 330,04 FOR MORE INFORMATION ON INTERMEDIATE DIAPHRAGMS BETWEEN PCEF BEAMS.
- 7. REFER TO SECTION 106.9.3 FOR MORE INFORMATION ON INTERMEDIATE DIAPHRAGM SPACINGS TO USE.
- 8. EXAMPLE USED IN FRAMING PLAN ASSUMES A TWO-SPAN BRIDGE WITH SKEWED LEFT-MOST ABUTMENT AND PIER/RIGHT-MOST ABUTMENT WITH A ZERO SKEW.

